FIG. 1

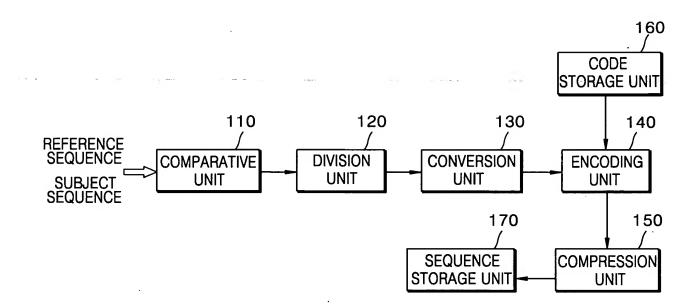


FIG. 2

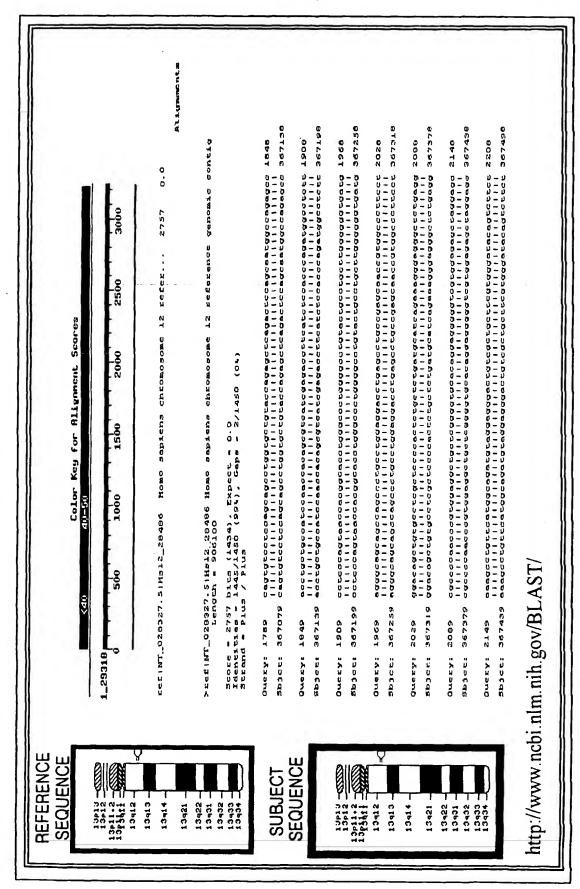


FIG. 3

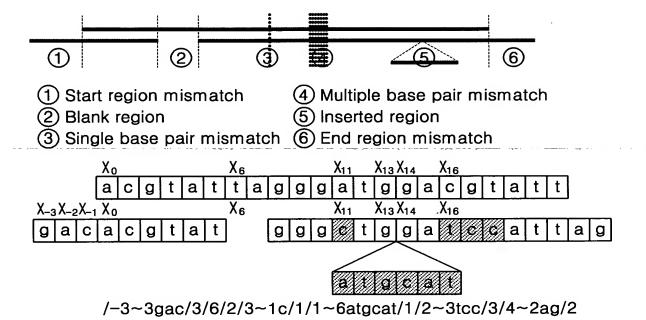


FIG. 4

4BITS CODES FOR ENCODING INFORMATIN ABOUT THE DIFFERENCE BETWEEN DNA SEQUENCES	
0:0000	8:1000
1:0001	9:1001
2:0010	A: 1010
3:0011	T:1011
4:0100	G: 1100
5:0101	C: 1101
6:0110	/: 1110
7:0111	~:1111

FIG. 5

```
MODY3 exons (5552 characters = 5552 byte)
ref|NT_028327.5|Hs12_28486 Homo sapiens chromosome 12 reference genomic contig
Length = 906100
         Exon2 /354759-1a/1
                                       Exon789 /363265-11/1
                                                                     Exon789 /363384-1V1
          Exon3 /359197-11/1
                                       Exon789 /363261-11/1
                                                                     Exon789 /363391-1V1
         Exon456 /362119-1a/1
                                       Exon789 /363267-11/1
                                                                     Exon789 /363394-11/1
         Exon456 /362178-1a/1
                                       Exon789 /363273-11/1
                                                                     Exon789 /363641-1a/1
         Exon789 /363208-11/1
                                       Exon789 /363278-11/1
                                                                     Exon789 /363689-1a/1
/354759-1a/1/4438-1a/1/2922-1a/1/59-1a/1/30-1a/53-1t/1/4-1t/1/2-1/t/1/6-1t/1/5-1t/1/6
11/1/7-11/1/3-11/1/247-1a/1/248-1a/1
122byte
       61byte
```

FIG. 6

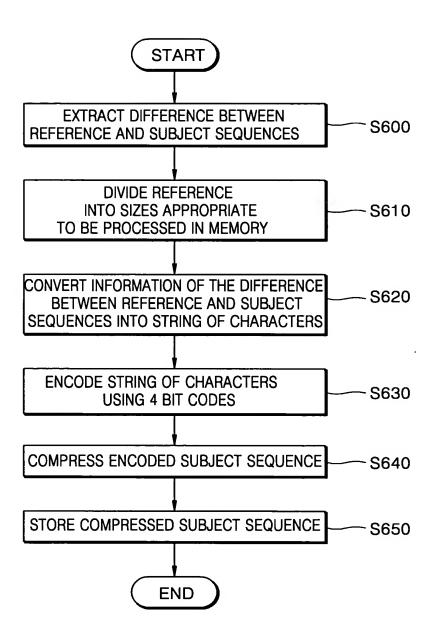


FIG. 7

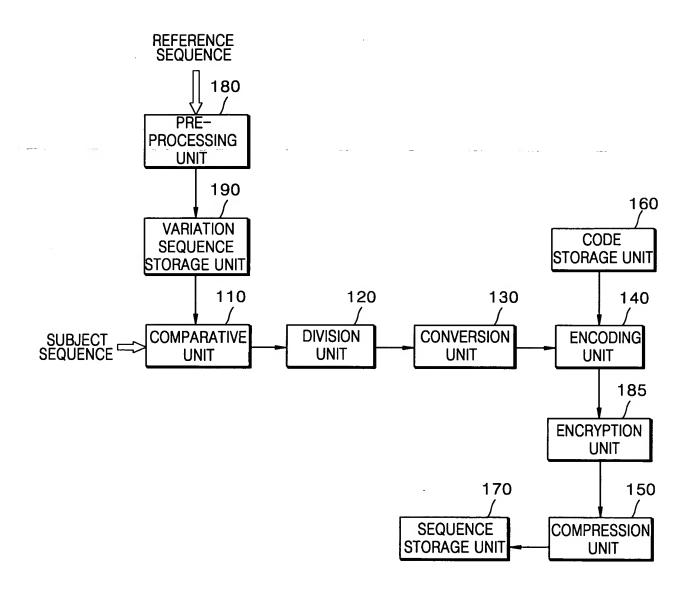


FIG. 8

TOTAL NUMBER OF VARIATION:4

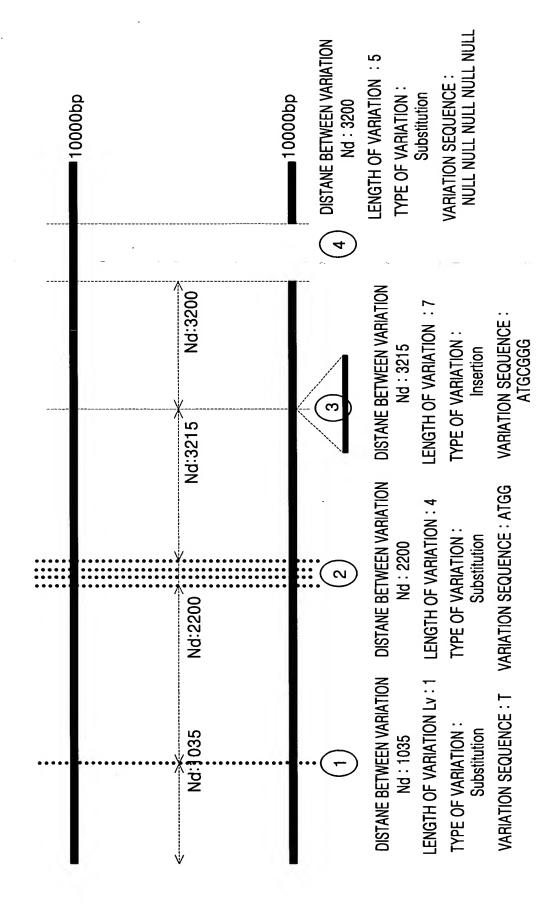


FIG. 9

